

Spencer Eanes

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EDUCATION

ST. OLAF COLLEGE

NORTHFIELD, MN

Graduation May 2020

B.A. MATHEMATICS

Major GPA: 3.92/4.0

B.A. COMPUTER SCIENCE

Major GPA: 3.84 / 4.0

STATISTICS CONCENTRATION

Concentration GPA: 3.65 / 4.0

OVERALL

Dean's List: F'16, S'17, F'17, S'18

Cum. GPA: 3.85 / 4.0

EVANSTON TWP. HS

Grad. May 2016 | Evanston, IL.

Graduated with High Distinction

COURSEWORK

COMPLETED

Statistics for Science

Statistical Modeling

Calculus I-III

Linear Algebra

Differential Equations

Modern Computational Math

Abstract Algebra

Algorithms & Data Structures

Software Design + Lab

Mobile Computing Apps

SKILLS

PROGRAMMING

Proficient:

C++ • R • Git • Bash • LaTeX

Familiar:

Python • Javascript • Java •

PostgreSQL • HTML

OPERATING SYSTEMS

Proficient:

Linux (CentOS, GalliumOS)

Windows (XP, 7, 8, 10)

Android (6 - 9)

Familiar:

Macintosh (10.6 - 10.11)

EXPERIENCE

NATL. CENTER FOR EDUCATION STATISTICS | JPSM JUNIOR FELLOW

May 2018 - Present | Washington, District of Columbia

- Selected by University of Maryland Joint Program in Survey Methodology for Junior Fellow summer position, interning at NCES.
- Worked on data analysis using 2015-16 School Survey on Crime and Safety dataset, generating summary reports using R.

ST. OLAF COMPUTER SCIENCE DEPT. | SOFTWARE DESIGN TA

Feb 2018 - May 2018 | Northfield, MN

- Attending a weekly lab to answer questions and facilitate student problem-solving.
- Grade labs submitted through GitLab.
- Created bash script toolkit to automate grading process.

ST. OLAF CENTER FOR UNDERGRADUATE RESEARCH | RESEARCHER

May 2017 - Aug 2017 | Northfield, MN

- 10-week team oriented research experience with culminating presentation.
- Investigated the use of lie symmetries in the invariantization of numerical schemes.
- Compared the accuracy of invariant vs. non-invariant numerical schemes applied to differential equations. Paper in process for publication.

PROJECTS

COMAP ICM 2018 PROBLEM D | TEAM MEMBER

February 2018 | Northfield, MN

Developed a mathematical model to determine the optimal placement of electric vehicle charging stations, and created a proposal to convert an entire nation from gas to electric vehicles.

SUMMER RESEARCH PRESENTATIONS | RESEARCH CO-PRESENTER

August 2017, October 2017 | Northfield, MN

Worked with Shane Koseriadzki and Professor Joe Benson to create a poster and presentation materials as well as academic paper based on summer research, presented at the end of summer research colloquium in early August, and again at the Northfield Undergraduate Research Colloquium in early October. The material was presented at the Midstates Math Consortium at the University of Chicago.

AWARDS

2018	International	CoMAP ICM Competitor, Honorable Mention
2017	National	USCLAP Introductory Statistics First Prize Winner
2016	Institutional	St. Olaf Buntrock Scholar, Highest Academic Scholarship
2016	National	National Merit Commended Scholar
2015	International	CoMAP HiMCM Competitor, Honorable Mention
2014	International	CoMAP HiMCM Competitor, Meritorious Winner

EXTRACURRICULARS

Fall 2018	Study Abroad at University of Aberdeen, Scotland
Sep - Dec 2017	Resiliance, Empathy, Assertiveness Listening Training Member
Fall 2017	St. Olaf Academic Support Center Tutor
Fall 2016 - Present	St. Olaf Stewardship Office Assistant
Fall 2016 - Present	Men's Club Volleyball